

## **PUBLICATION LIST**

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### **Books**

Middleton, B.A. 1999. Wetland restoration, flood pulsing and disturbance dynamics. John Wiley and Sons, New York.

Middleton, B.A. (editor). Flood pulsing in wetlands: Restoring the balance. John Wiley and Sons, New York (in press: April 2002).

### **Dissertation/Theses**

Middleton, B.A. 1989. Succession and goose herbivory in monsoonal wetlands of the Keoladeo National Park, Bharatpur, India. Ph.D. Dissertation, Iowa State University, Ames, IA.

Middleton, B.A. 1983. Sand movement and vegetation in the Apostle Islands, Lake Superior. M.S. Thesis. University of Minnesota, Duluth, MN.

Middleton, B.A. 1978. Vegetational response to grazing in sedge meadow and mesic forest communities in southern Wisconsin. Senior Thesis, University of Wisconsin, Madison, WI.

### **Peer-Reviewed Publications**

Middleton, B.A. and D.J. Schimpf. 1986. Sand movement and vegetation in the Apostle Islands, Lake Superior. *Canadian Journal of Botany* 64:1671-1674.

Middleton, B.A. and A.G. van der Valk. 1987. The food habits of Greylag and Barheaded Geese at the Keoladeo National Park, India. *Wildfowl* 38:94-102.

Middleton, B.A. 1988. Food habits of geese in northern India. *Journal of the Ecological Society (India)* 1:37-45.

Middleton, B. A. 1990. Effect of water depth and clipping frequency on the growth and survival of four wetland plant species. *Aquatic Botany* 37: 189-196.

- Middleton, B. A., A. G. van der Valk, R. L. Williams, D. J. Mason, and C. B. Davis. 1991. Vegetation dynamics and seed banks of a monsoonal wetland overgrown with *Paspalum distichum* in northern India. *Aquatic Botany* 40:239-259.
- Middleton, B. A., A. G. van der Valk, C. B. Davis, D. H. Mason, and R. L. Williams. 1992. Litter decomposition in an Indian monsoonal wetland overgrown with *Paspalum distichum*. *Wetlands* 12:37-44.
- Middleton, B. A. and D. H. Mason. 1992. Seed herbivory by nilgai, feral cattle, and wild boar in the Keoladeo National Park, Bharatpur, India. *Biotropica* 24:538-543.
- Middleton, B. A. 1993. Habitat and food preferences of geese overwintering in the Keoladeo National Park, Bharatpur, India. *Journal of Tropical Ecology* 8:181-193.
- van der Valk, A. G., B. A. Middleton, R. L. Williams, D. H. Mason and C. Davis. 1993. The biomass of an Indian monsoonal wetland before and after being overgrown with *Paspalum distichum* L. *Vegetatio* 109:81-90.
- Middleton, B. A. 1994. Decomposition and litter production in a northern bald cypress swamp. *Journal of Vegetation Science* 5:271-274.
- Middleton, B. A. and E. Sanchez. 1994. Microhistological analysis of food habits in the tropics. *La Vida Sylvestre* 3:41-47.
- Middleton, B. A. 1994. Management of monsoonal wetlands for Greylag and Barheaded Geese in the Keoladeo National Park, India. *International Journal of Ecology and Environmental Sciences* 20:1263-171.
- Middleton, B. A. 1995. Sampling devices for the measurement of seed rain and hydrochory in rivers. *Bulletin of the Torrey Botanical Club* 122: 152-155.
- Middleton, B. A. 1995. Ecology of greenways. Book review. *Restoration Ecology* 3: 319-322.
- Middleton, B. A. 1995. Seed banks and species richness potential of coal slurry ponds reclaimed as wetlands. *Restoration Ecology* 3:311-318.
- Middleton, B. A. and U. Melkania. 1995. Decomposition of wet grassland species in a stream of the Himalayan terai, Pantnagar, Uttar Pradesh, India. *International Journal of Ecology and Environmental Sciences* 21:163-168.
- Middleton, B.A., E. Sanchez-Rojas, B. Suedmeyer and A. Michels. 1997. Fire in a tropical dry forest of Central America: A natural part of the disturbance regime? *Biotropica* 29:515-517.

- Akanil, N. and B.A. Middleton. 1997. Leaf decomposition along the Porsuk River, Eskisehir, Turkey. *Canadian Journal of Botany* 75:1394-1397.
- Middleton, B.A., D. Gibson, and A. Lumpe. 1998. Trees in succession. Experiments to Teach Ecology, Volume II. Ecological Society of America. [http://www.science.siu.edu/long-term/lessons/bmid\\_1.htm](http://www.science.siu.edu/long-term/lessons/bmid_1.htm)
- Middleton, B.A. 1998. The water buffalo controversy in the Keoladeo National Park, India. *Ecological Modelling* 106: 93-95.
- Middleton, B.A. 1998. Reply to: The water buffalo controversy in the Keoladeo National Park, India. *Ecological Modelling* 106: 95-98.
- D.J. Gibson, B. A. Middleton and G.W. Saunders. 1999. Long-term succession studies for undergraduate research. *American Biology Teacher* 61: 217-222.
- Rice, M., B.A. Middleton and D. Gibson. 1999. Fractal analysis of movement pathways in vegetated and unvegetated microlandscapes. *Bios* 1: 176-184.
- Oyler, M., J. Rivera, M. Roffel, D. J. Gibson, B. A. Middleton and M. Mathis. 1999. The macaroni lab: a directed inquiry project on predator-prey relationships. *American Biology Teacher* 40: 39-41.
- Middleton, B.A. 1999. Succession and herbivory in monsoonal wetlands. *Wetland Ecology and Management* 6: 189-202.
- Middleton, B.A. 1999. Flood pulsing in restoration: a feasible alternative for India? *Journal of the Ecological Society* 12: 10-14.
- Mathis, M. and B. A. Middleton. 1999. Simulated herbivory and vegetation dynamics in coal slurry ponds reclaimed as wetlands. *Restoration Ecology* 7: 392-398.
- Middleton, B. A. 2000. Hydrochory, seed banks, and regeneration dynamics across landscape boundaries in a forested wetland. *Plant Ecology* 146:169-184.
- Middleton, B.A. 2001. A case for wetland restoration (book review). *Restoration Ecology* 9: 247-248.
- Middleton, B.A. and K.L. McKee. 2001. Degradation of mangrove tissues and implications for peat formation in Belizean island forests. *Journal of Ecology* 89:818-828. (Featured in *Science*, Editor's Choice)

- Spyreas, G., D.J. Gibson, and B.A. Middleton. 2001. Effects of endophyte infection in tall fescue (*Festuca arundinacea*: Poaceae) on community diversity. *International Journal of Plant Science* 162:1237-1245.
- Middleton, B.A. Ecology and objective based management: case study of the Keoladeo National Park, Bharatpur, Rajasthan. Book Chapter in: Science and the Politics of Conservation: The Indian Debate. V. Saberwal, editor. Permanent Black Publishers, New Delhi, India (in press).
- Middleton, B. A. Nonequilibrium dynamics of sedge meadows grazed by cattle in southern Wisconsin. *Plant Ecology* (in press).
- Xiao, N, Bennett, D., B. A. Middleton, and K. Fessel. 2002. SISM: A multiscale model for cypress swamp regeneration. *Geographical and Environmental Modeling* (in press).
- Middleton, B.A. Flood pulsing in the regeneration and maintenance of species in riverine forested wetlands of the southeastern United States. Book Chapter in: Flood pulsing and wetland restoration: Case histories from North America. John Wiley and Sons, New York. Beth Middleton (editor) (in press: April 2002).
- Middleton, B.A. Introduction to the flood pulse concept and its general importance to wetland restoration. Book Chapter in: Flood pulsing and wetland restoration: Case histories from North America. John Wiley and Sons, New York. Beth Middleton (editor) (in press: April 2002).
- Middleton, B.A. Concepts in restoration. (submitted).
- Middleton, B.A. Winter burning and the reduction of *Cornus sericea* in sedge meadows in southern Wisconsin (submitted).
- Ahsan, R., C. Campbell, M.C. Romano, M.R. Whiles, and B.A. Middleton. *Bacillus thuringiensis* corn detritus impacts on a leaf-shredding caddisfly (Trichoptera: Lepidostomatidae). (submitted).
- Taylor, J. and B. A. Middleton. Functional comparison of litter decomposition in natural vs. coal slurry ponds reclaimed as wetlands (submitted).
- Middleton, B.A. and K.L. McKee. Primary production in impounded and natural baldcypress swamps along a latitudinal gradient (under revision).
- Middleton, B.A. and K.L. McKee. Primary production in an impounded baldcypress swamp at the northern limit of the range (under revision).

## **Other Publications**

- Davis, C.B., A.G. van der Valk, D.H. Mason, B.A. Middleton, and R.L. Williams. 1988. Ecology of a semitropical monsoonal wetland in India. Final Report, Smithsonian #4013600, Ohio State Univ, Ohio.
- Middleton, B. A. 1993. Restoration of cypress swamps along the Cache River, southern Illinois. Final Report to the Office of Research and Administration Development (#2-11770), Carbondale, IL.
- Middleton, B. A. 1993. Improvement of plant diversity in coal slurry ponds reclaimed as wetlands through treatment of the seed bank during drawdown. Final Report to the National Mine Land Reclamation Center, Carbondale, IL.
- Middleton, B. A. 1995. The role of flooding in seed dispersal: restoration of cypress swamps along the Cache River, Illinois. Final Report, U.S. Geological Survey and Water Resources Center, UIIU-URC-94-220.
- Middleton, B. A. 1996. Characteristics of plants in forested wetlands. Pages 31-37 *In*: S. D. Roberts and R. A. Rathfon, editors. Management of Forested Wetlands in the Central Hardwoods Region. Symposium Proceedings, Purdue University, West Lafayette, IN.
- O'Neil, J., A. C. Webb, and B. A. Middleton. 1996. Habitat suitability index model: cypress/tupelo community. U.S. Army Corps of Engineers, Vicksburg, MS.
- Xiao, N, Bennett, D., B. A. Middleton, and K. Fessel. 1999. A topographically-based model for seed dispersal and swamp dynamics. Proceedings of GIS/LIS '98. Fort Worth, TX, 10-12, November 1998.
- Starr, E. and B. A. Middleton. 1999. Vegetation overlay of the cypress quad. (Mapping project in ArcInfo as part of the larger project, "A natural resources survey of the Cache River Watershed). Natural Resources Conservation Service, Champaign/Carbondale, IL".
- O'Neil, L.J., A.C. Webb, and B. Middleton. 2001. Habitat suitability index model: cypress/tupelo community in southern Illinois. February 2001. ERDC/EL TR-01-xx, U.S. Army Engineer Research and Development Center, Vicksburg, MS.
- Bennett, D., B. Middleton, S. Kraft, C. Lant, R. Sengupta, J. Beaulieu, D. Sharpe, K. Cook, B. Burr, R. Beck, and K. Flanagan. 2001. Ecosystem function and restoration in the Cache River Bioreserve. April 2001. Southern Illinois Field Office of the Nature Conservancy, Ullin, Illinois.

### **Papers/Books/Maps in Progress**

Middleton, B.A. and K.L. McKee. Fertilization and above- and below-ground decomposition in a Belizean mangrove archipelago.

Middleton, B.A. Seedbanks, farming and restoration of northern baldcypress swamps.

Middleton, B.A. Regional spatial patterns of seed banks of bald cypress swamps at the northern extreme of the Mississippi Alluvial Valley

Conrad, S., B. Crandall-Stotler and B. A. Middleton. Flood pulsing and the dispersal and establishment of swamp liverworts.

### **Popular Press Publications**

Middleton, B. A. and L. K. Mudgal. 1989. Geese of the Keoladeo. Sanctuary Magazine, Bombay, India.

Middleton, B. A. 1995. Wetlands in your neighborhood. Green Earth Newsletter, Carbondale, IL.

Middleton, B. A. 1997. OTS at SIU. Liana (Newsletter of the Organization of Tropical Studies).

Middleton, B.A. 2000. Ode to my father's farm truck. National Public Radio Commentary, Carbondale, Illinois (commentary read on October 26, 2000).

Middleton, B.A. 2001. Special ode to my father's farm truck. Lodi Enterprise. January 4, 2001.

Middleton, B.A. 2002. Ode to my father's farm truck. Natural History. In review.